

**6.2.4 Electric Conversion Factors and Transmission and Distribution (T&D) Losses**

	Average Utility <u>Delivery Efficiency (1, 2)</u>	Average Utility <u>Delivery Ratio (Btu/kWh) (2, 3)</u>	Growth Rate <u>(2006-year)</u>
1980	29.3%	11,644	-
1981	29.8%	11,437	-
1982	29.6%	11,509	-
1983	29.7%	11,470	-
1984	30.4%	11,234	-
1985	30.3%	11,273	-
1986	30.7%	11,116	-
1987	31.0%	11,014	-
1988	31.0%	11,012	-
1989	30.1%	10,902	-
1990	30.2%	10,815	-
1991	30.4%	10,757	-
1992	30.5%	10,670	-
1993	30.5%	10,679	-
1994	30.7%	10,576	-
1995	30.6%	10,634	-
1996	30.5%	10,651	-
1997	30.6%	10,620	-
1998	30.6%	10,630	-
1999	30.4%	10,666	-
2000	30.5%	10,644	-
2001	30.9%	10,547	-
2002	30.8%	10,554	-
2003	31.1%	10,474	-
2004	31.0%	10,498	-
2005	31.3%	10,464	-
<b>2006</b>	<b>31.5%</b>	<b>10,405</b>	<b>-</b>
2007	31.6%	10,352	0.5%
2008	31.7%	10,316	0.4%
2009	31.7%	10,300	0.3%
2010	31.8%	10,270	0.3%
2011	31.9%	10,235	0.3%
2012	32.0%	10,208	0.3%
2013	32.0%	10,200	0.3%
2014	32.1%	10,178	0.3%
2015	32.1%	10,151	0.3%
2016	32.2%	10,125	0.3%
2017	32.2%	10,111	0.3%
2018	32.2%	10,100	0.2%
2019	32.2%	10,097	0.2%
2020	32.2%	10,098	0.2%
2021	32.2%	10,074	0.2%
2022	32.3%	10,050	0.2%
2023	32.3%	10,034	0.2%
2024	32.3%	10,018	0.2%
2025	32.3%	10,005	0.2%
2026	32.4%	9,984	0.2%
2027	32.4%	9,967	0.2%
2028	32.5%	9,947	0.2%
2029	32.6%	9,918	0.2%
2030	32.6%	9,896	0.2%

Transmission and Distribution (T&amp;D) losses as a:

Percent of Electric Generator Fuel Input	3.2%
Percent of Net Electricity Generated (4)	9.5%

Note(s): 1) Use these values to convert primary energy of electric generator fuel input to delivered energy. 2) Accounts for fuel conversion losses, plant use of electricity, and T&D losses. 3) Use these values to convert delivered electric energy to primary energy. 4) After fuel conversion losses and plant use of electricity.

Source(s): EIA, Annual Energy Outlook 2008, Mar. 2008, Table A2, p. 117-119 for generator consumption and Table A8, p. 131-132 for electricity sales; EIA, Annual Energy Review 2006, July 2007, Diagram 5, p. 223 for T&D losses; EIA, 2005 State Energy Data Report, Tables 8-12 for Electricity Consumption and Generator Fuel Consumption.